

10/046, 893

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FIG. 1A



FIG. 1B

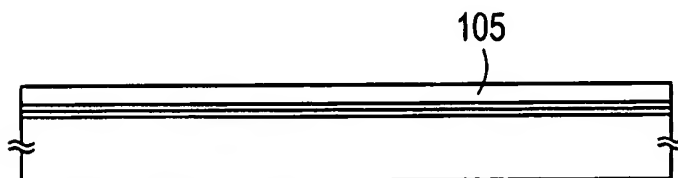


FIG. 1C

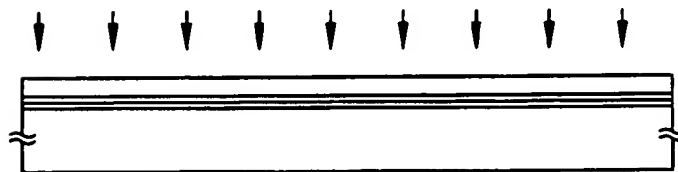
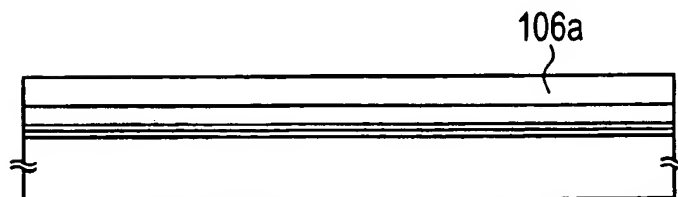


FIG. 1D



approved

Lee

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FIG. 2A

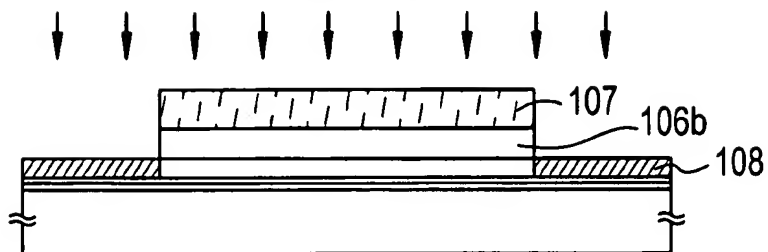


FIG. 2B

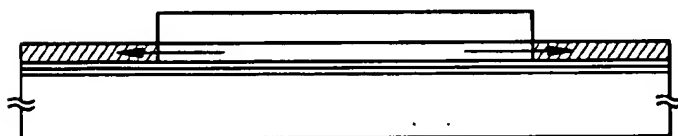


FIG. 2C

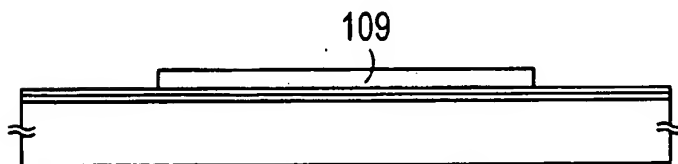


FIG. 2D



approved
lee

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approved
 Lee
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FIG. 3A

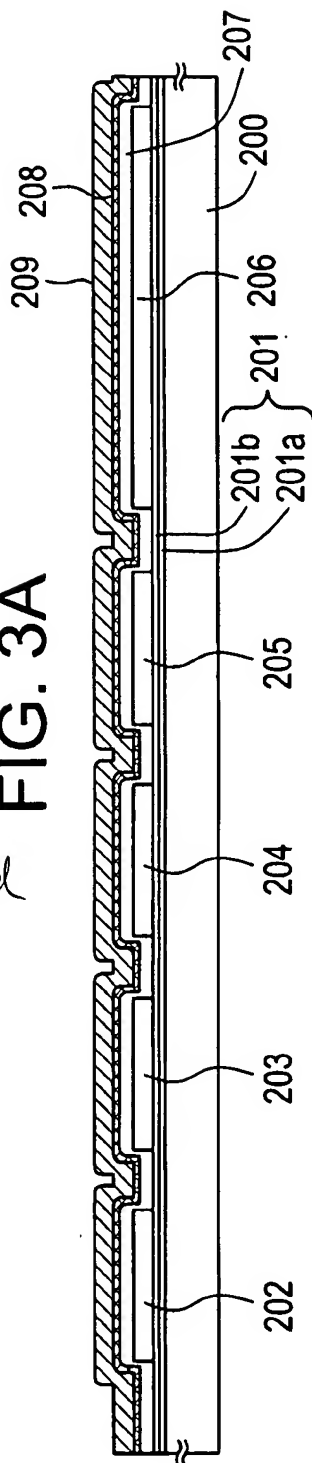


FIG. 3B

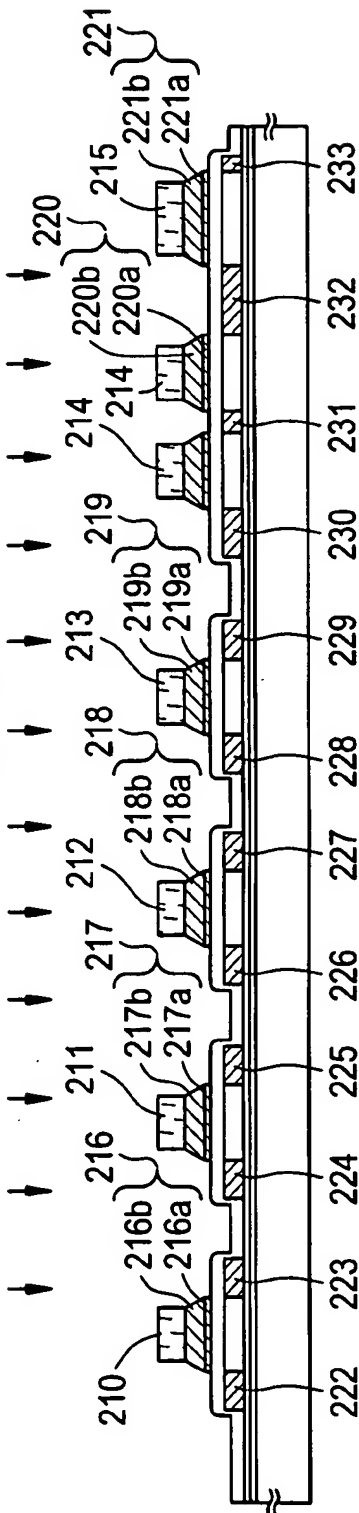
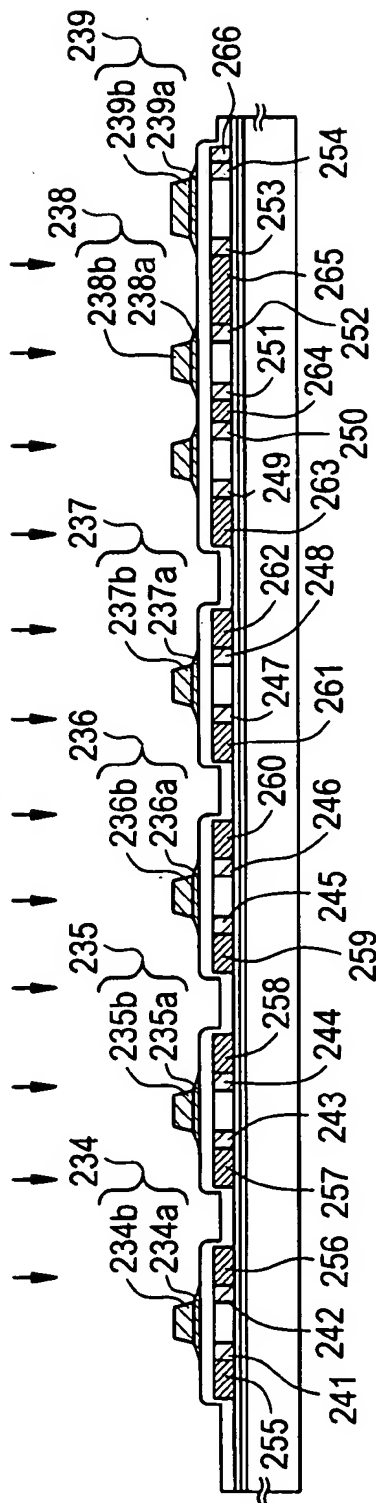


FIG. 3C



approved
 See
 1/13/05

FIG. 4A

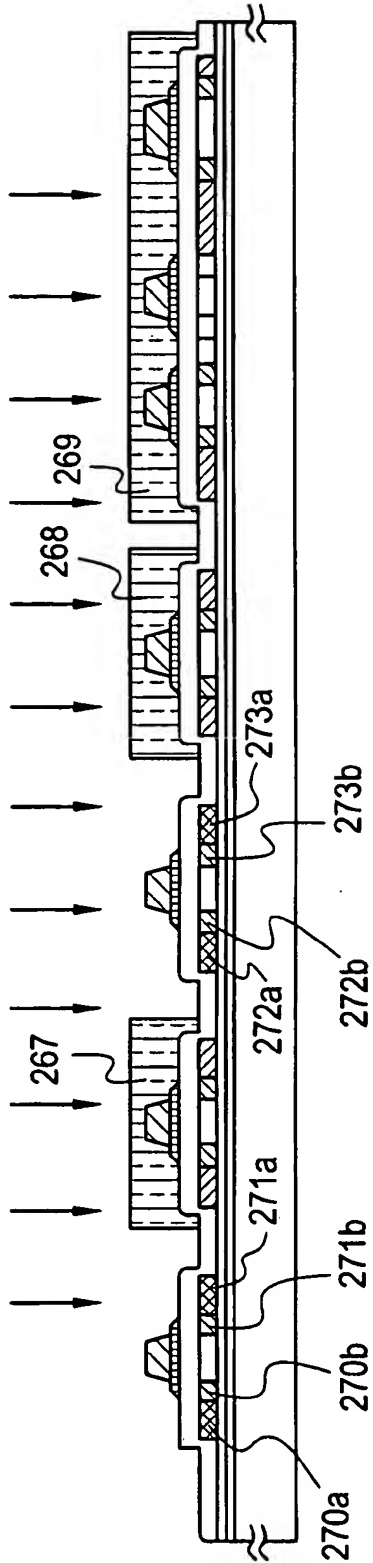


FIG. 4B

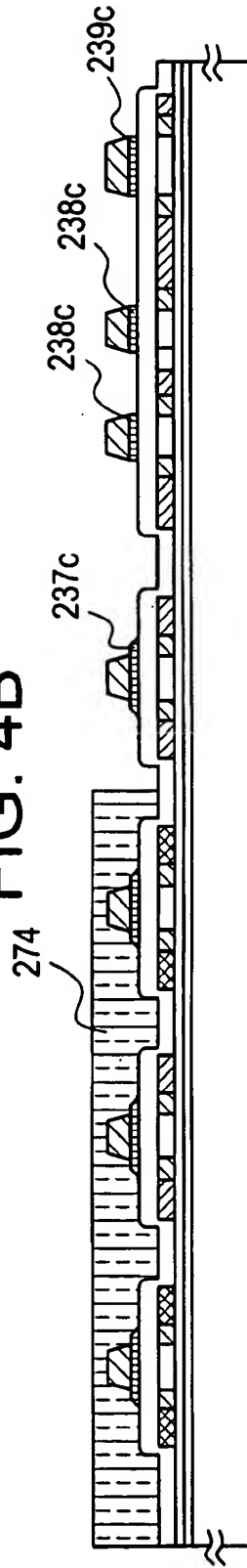
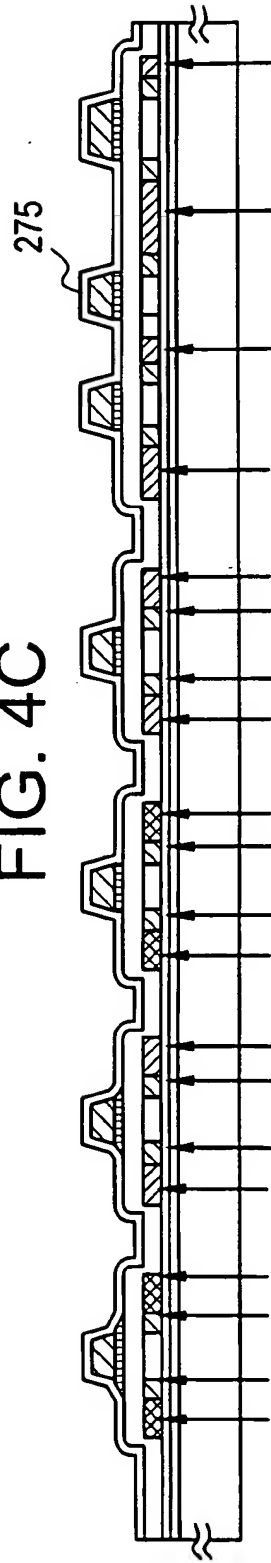
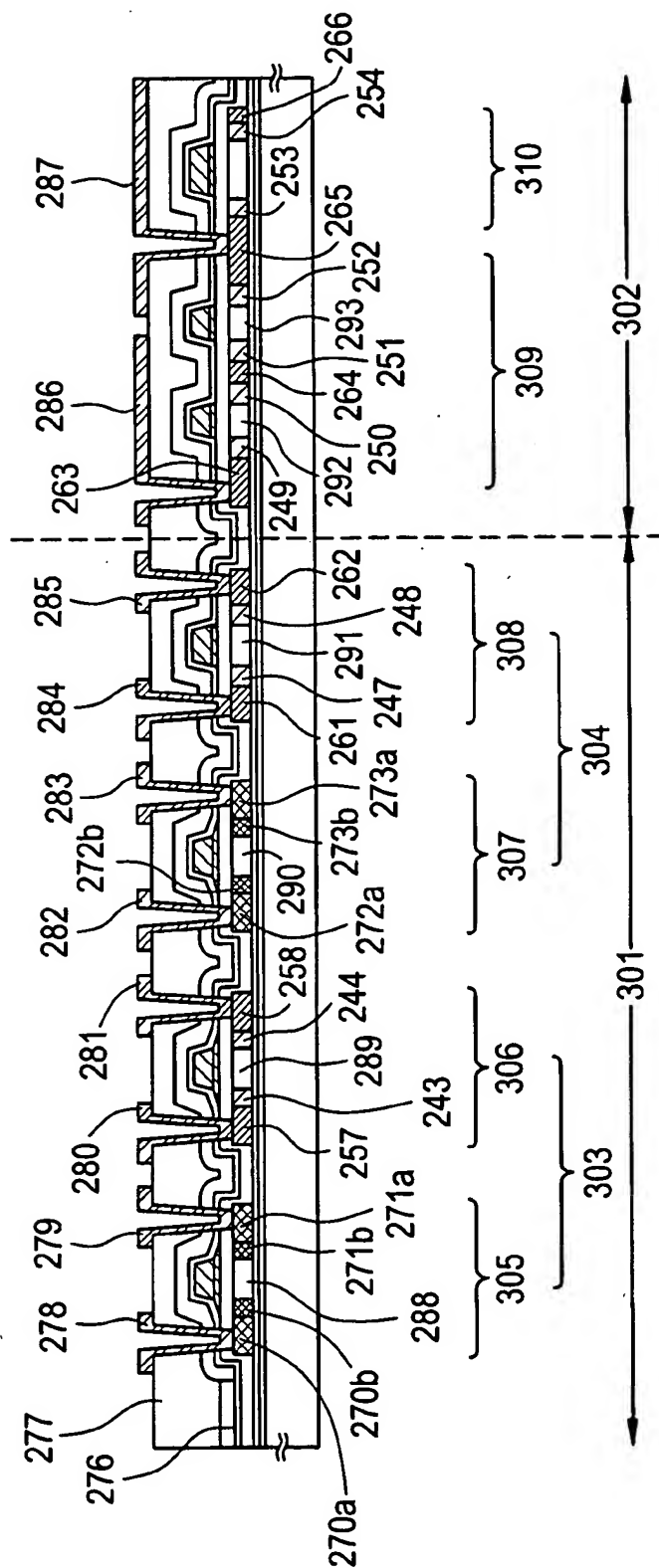


FIG. 4C



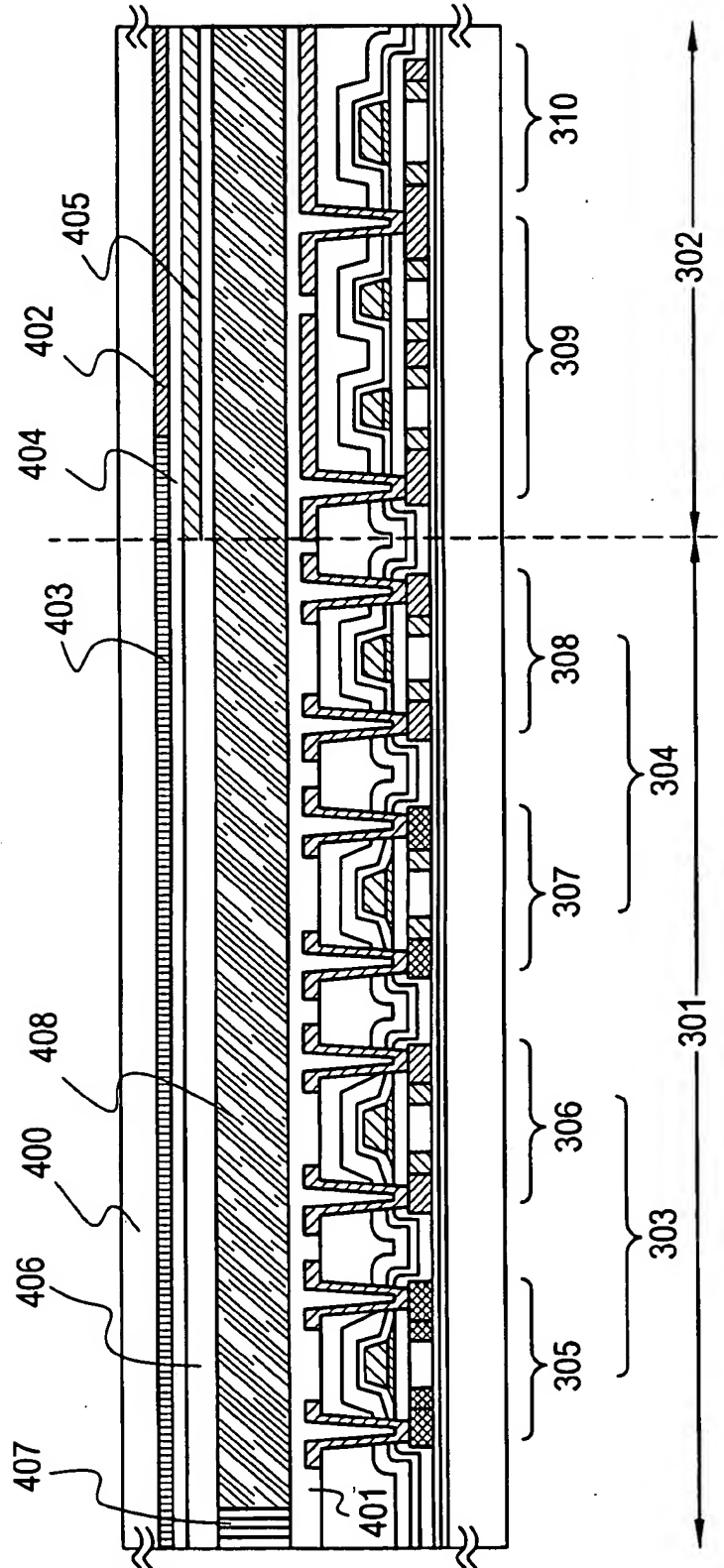




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approved
lee
1/13/05

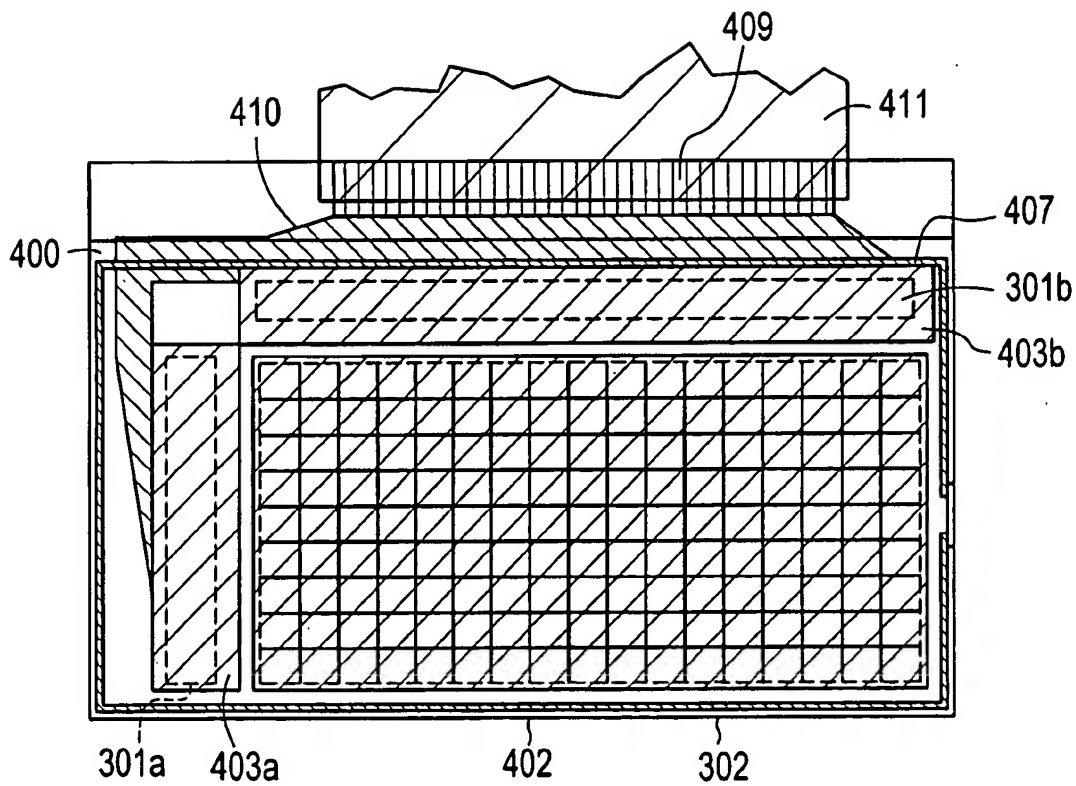
FIG. 6





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FIG. 7



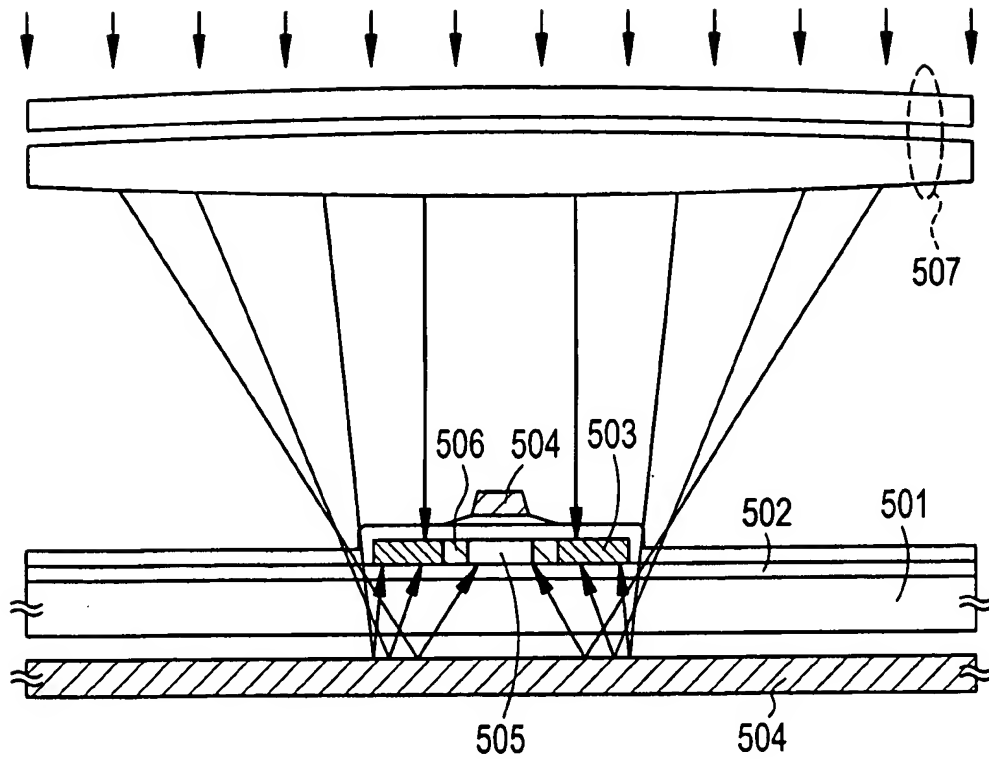
approved
see
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FIG. 8

approved
see
1/13/05





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FIG. 9A

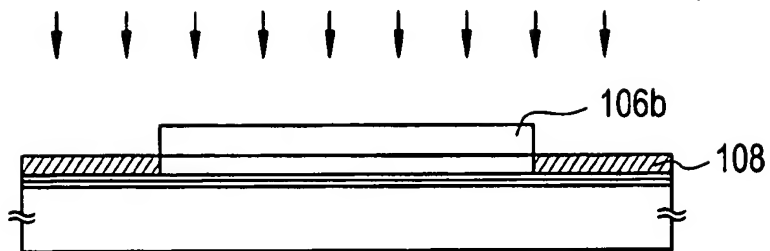


FIG. 9B

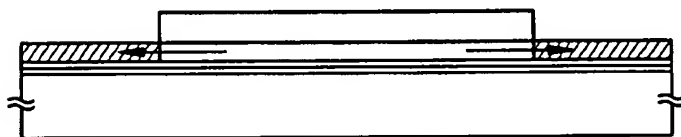


FIG. 9C

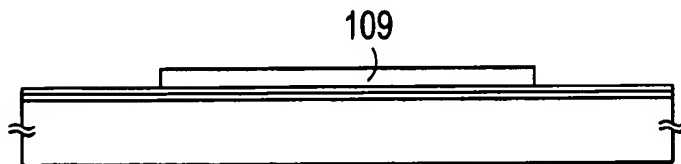
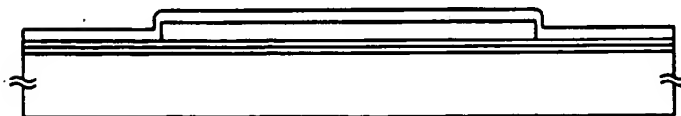


FIG. 9D



approved
lee
1/13/05



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FIG. 10A

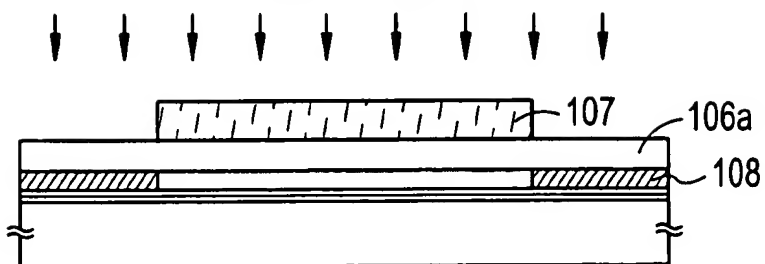


FIG. 10B

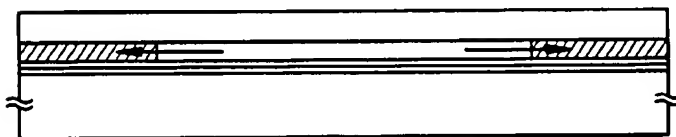


FIG. 10C

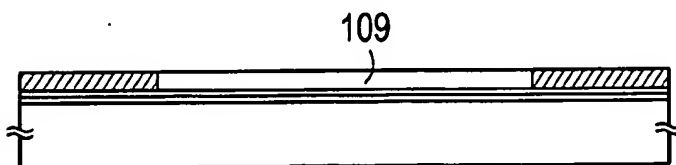
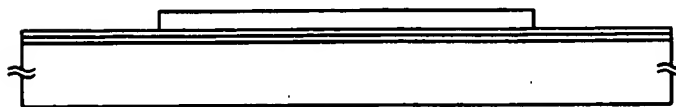


FIG. 10D



approved
be
1/13/05



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FIG. 11A

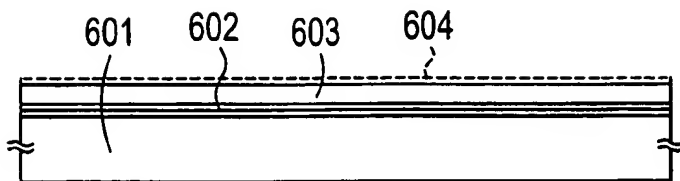


FIG. 11B

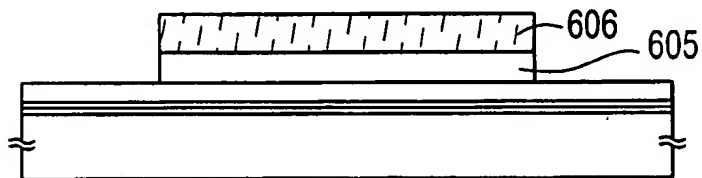


FIG. 11C

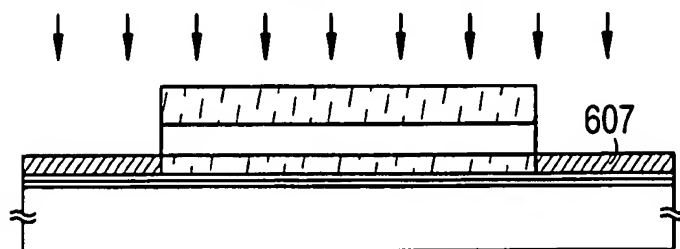


FIG. 11D

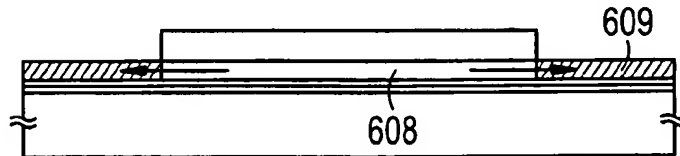


FIG. 11E



approved
see
1/13/05



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FIG. 12A

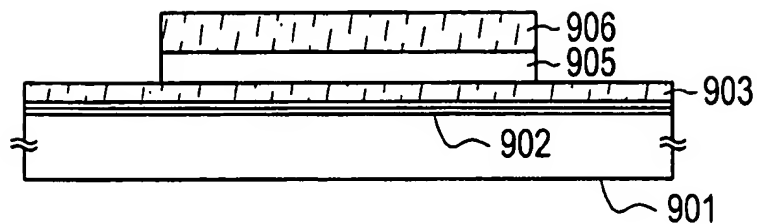


FIG. 12B

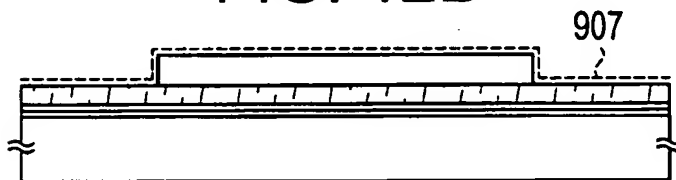
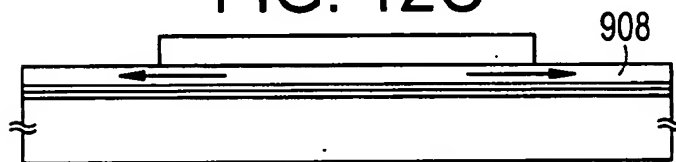


FIG. 12C



approved
see
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FIG. 12D

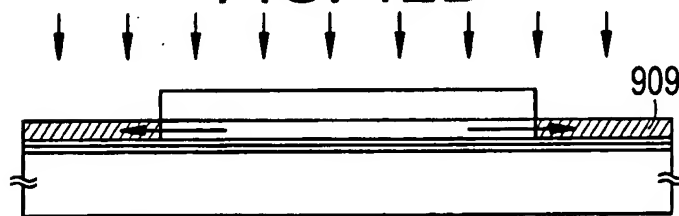


FIG. 12E

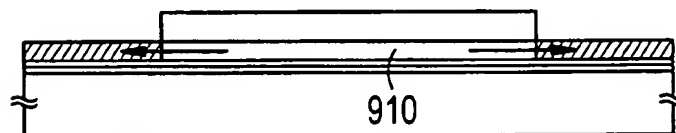


FIG. 12F

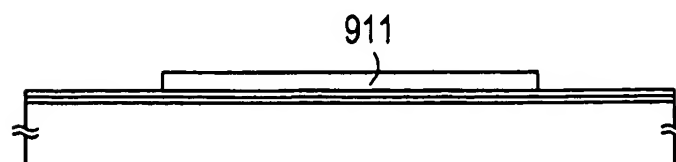




FIG. 13A

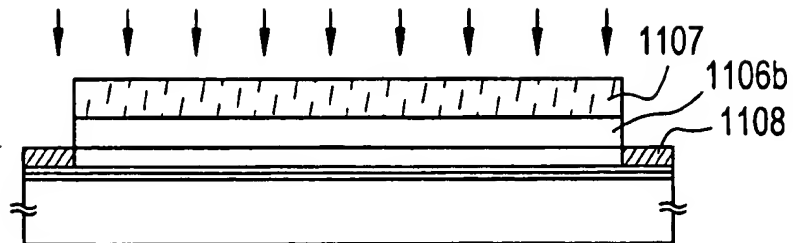
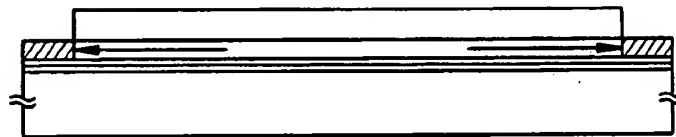


FIG. 13B



approved
Lee
1/13/05

FIG. 13C

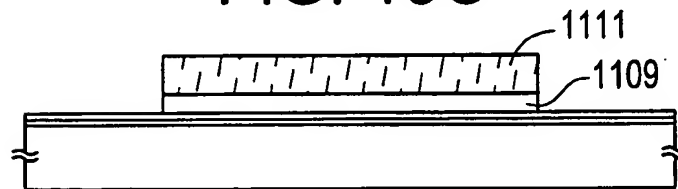
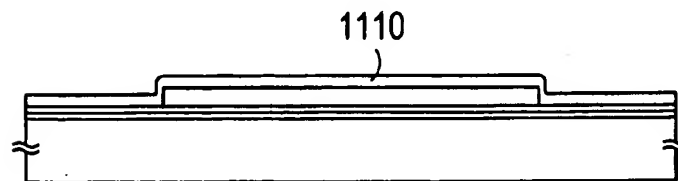


FIG. 13D





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FIG. 14A

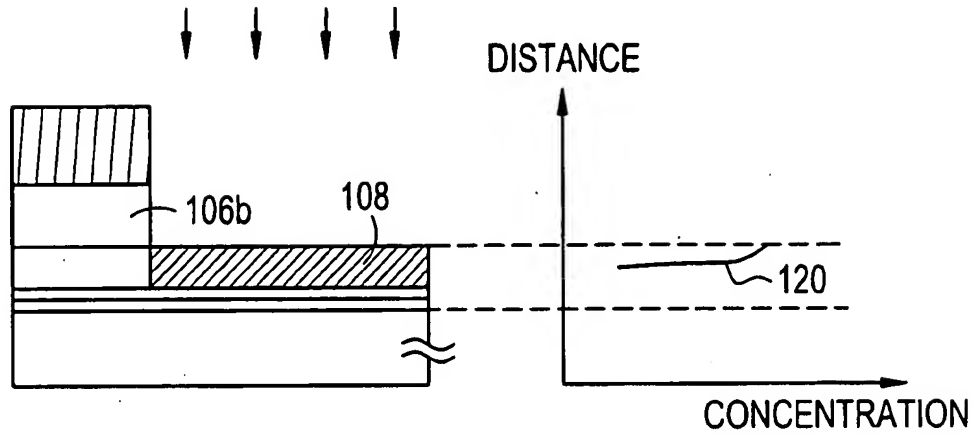


FIG. 14B

approved
see
1/13/05

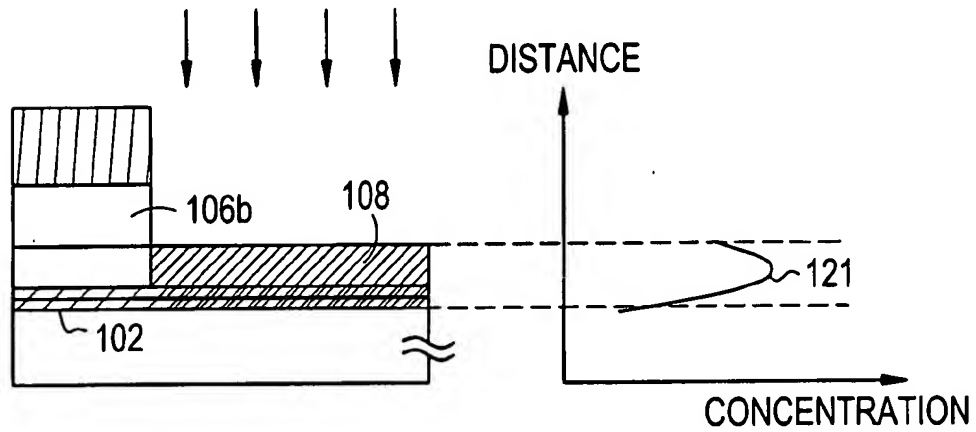


FIG. 14C

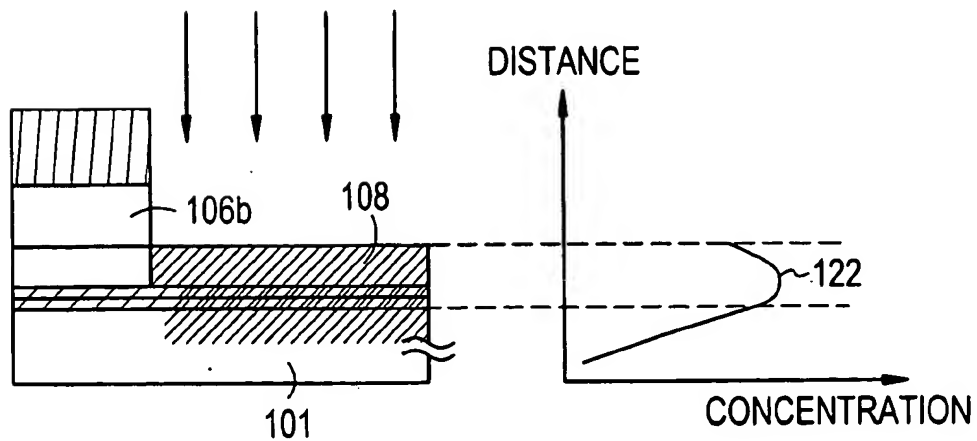
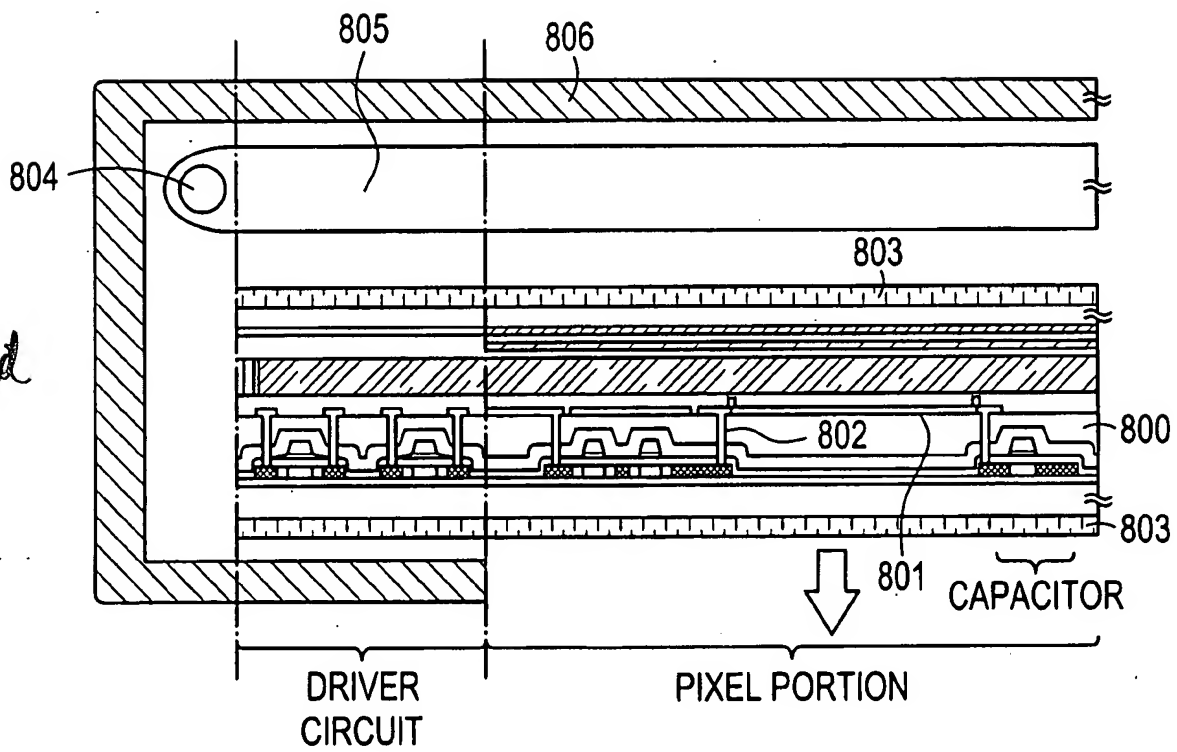




FIG. 15

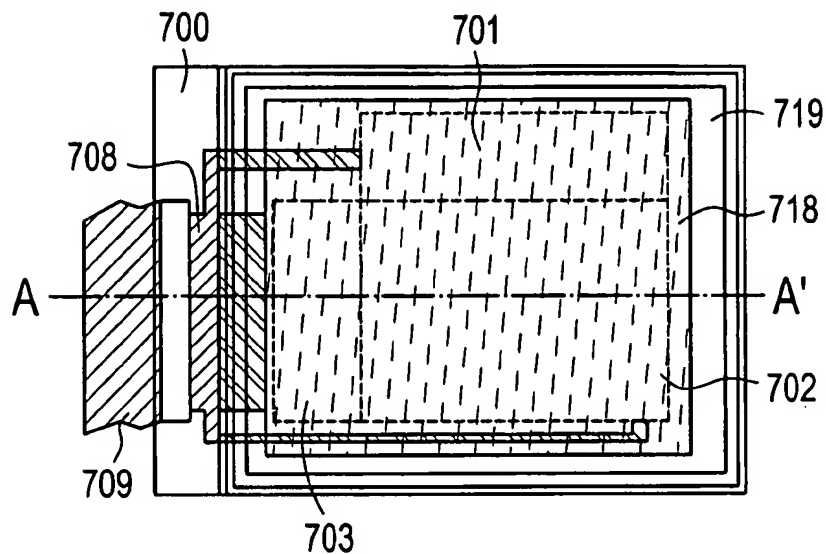


approved
by
1/13/05



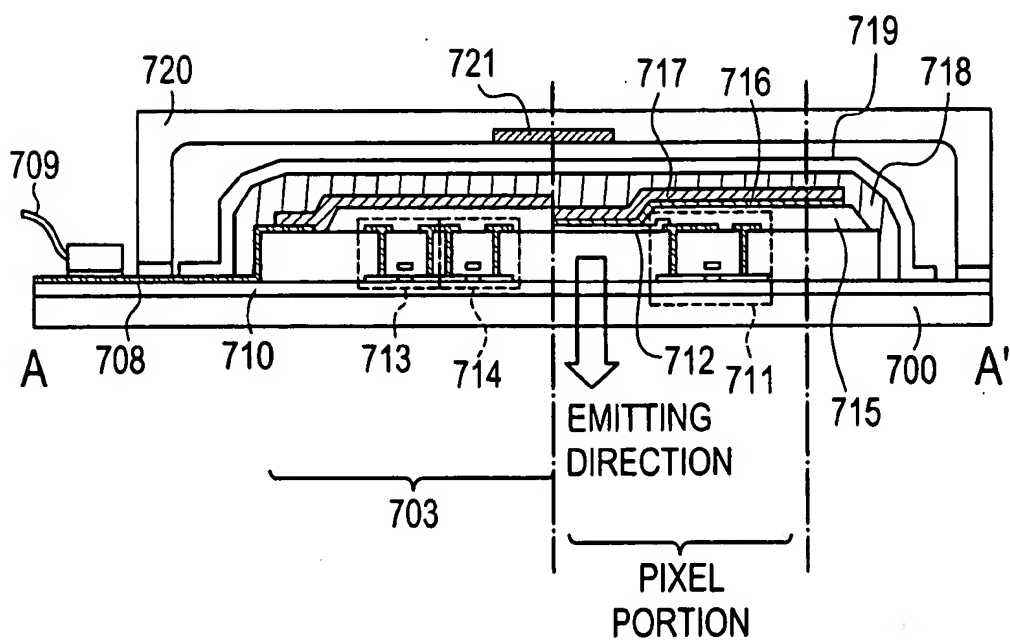
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FIG. 16A



approved
see
1/13/05

FIG. 16B





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FIG. 17

approved
see
1/13/05

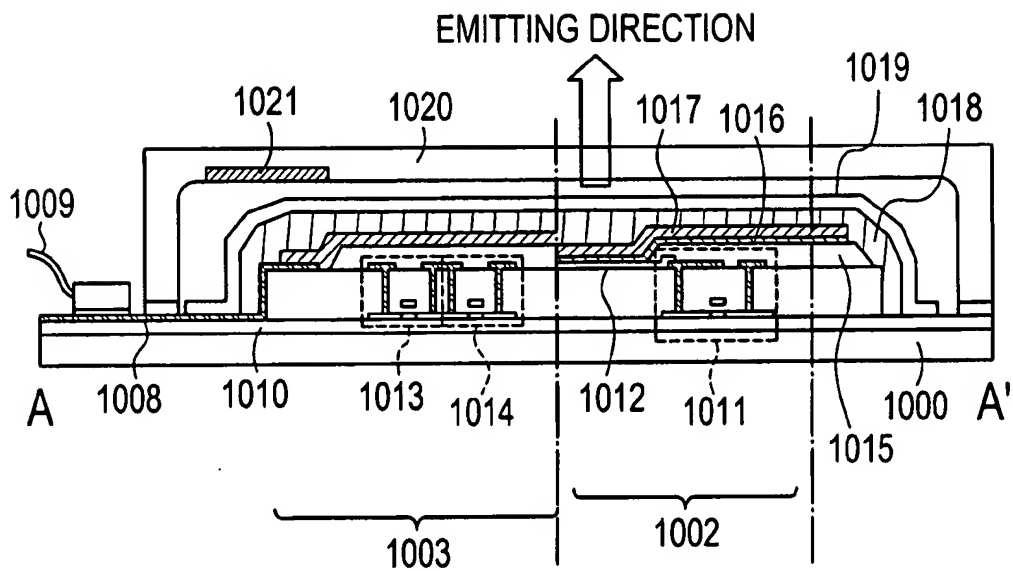
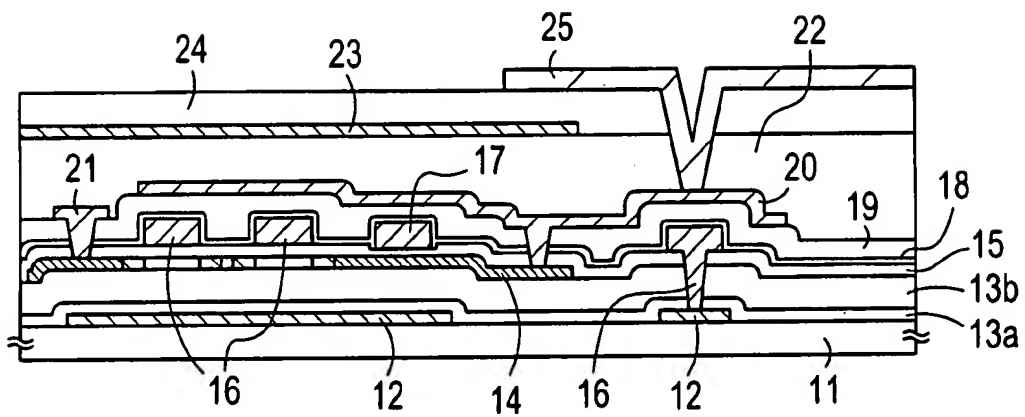




FIG. 18

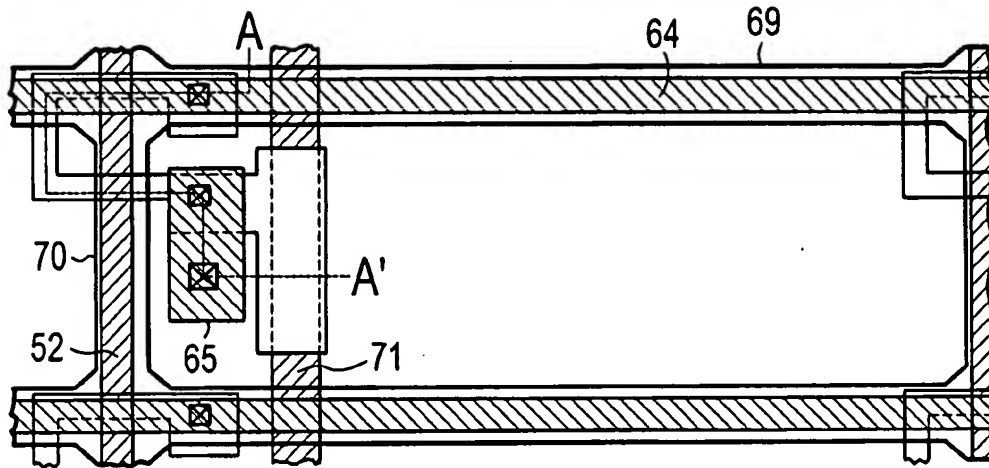
approved
see
1/13/05





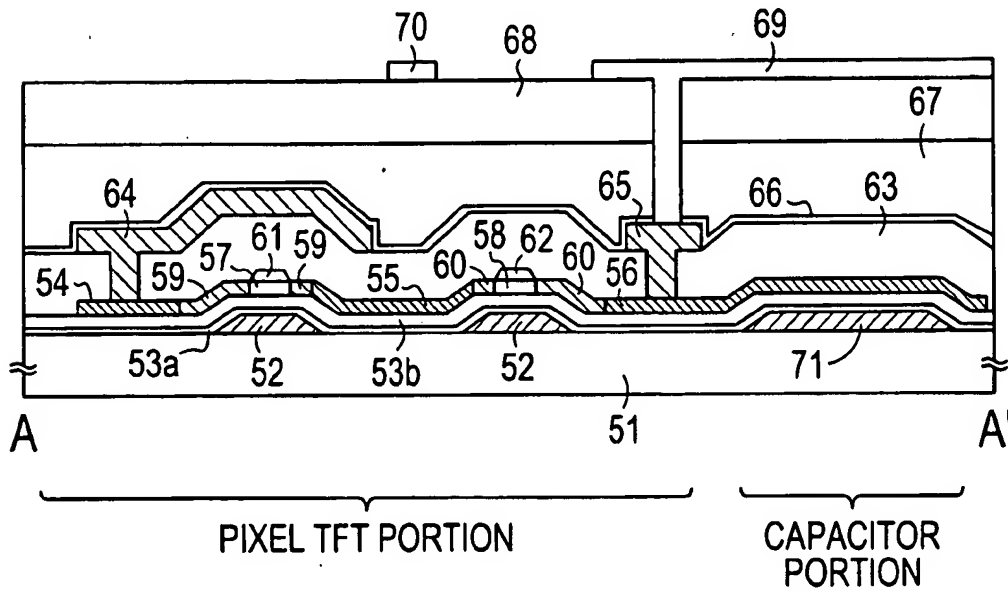
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FIG. 19A



approved
See
1/13/05

FIG. 19B





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FIG. 20

approved
Lee
1/13/05

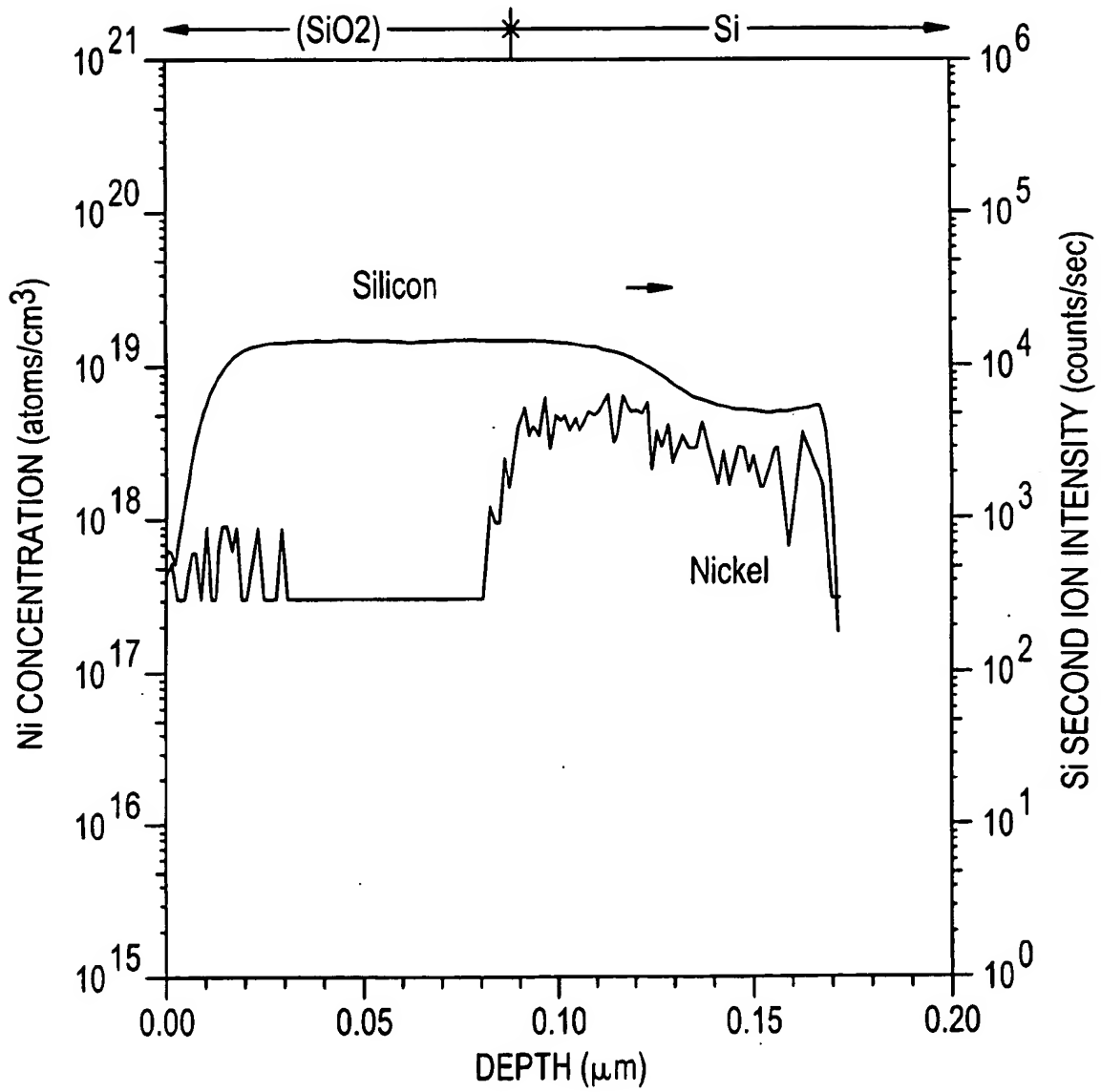
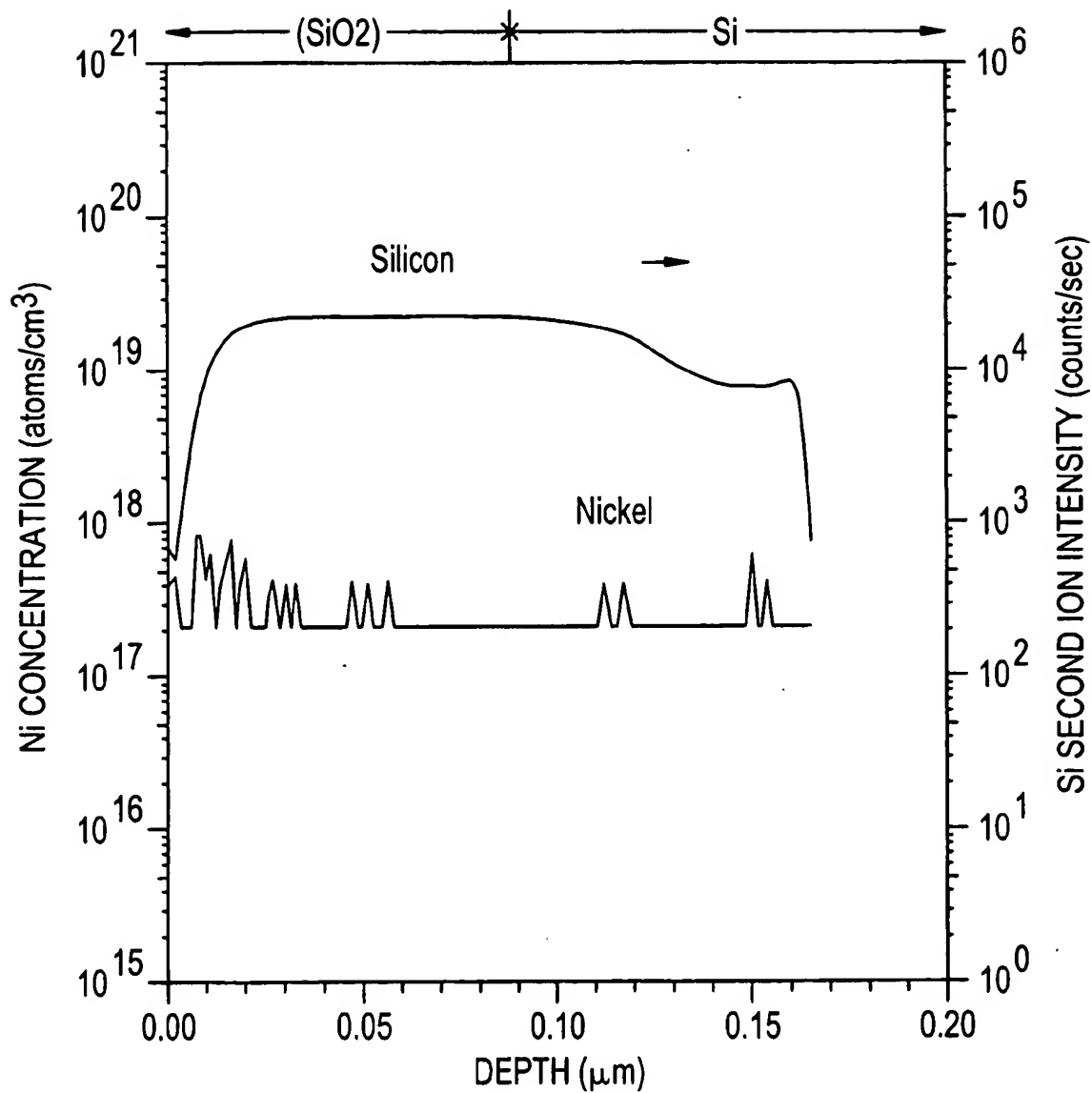




FIG. 21

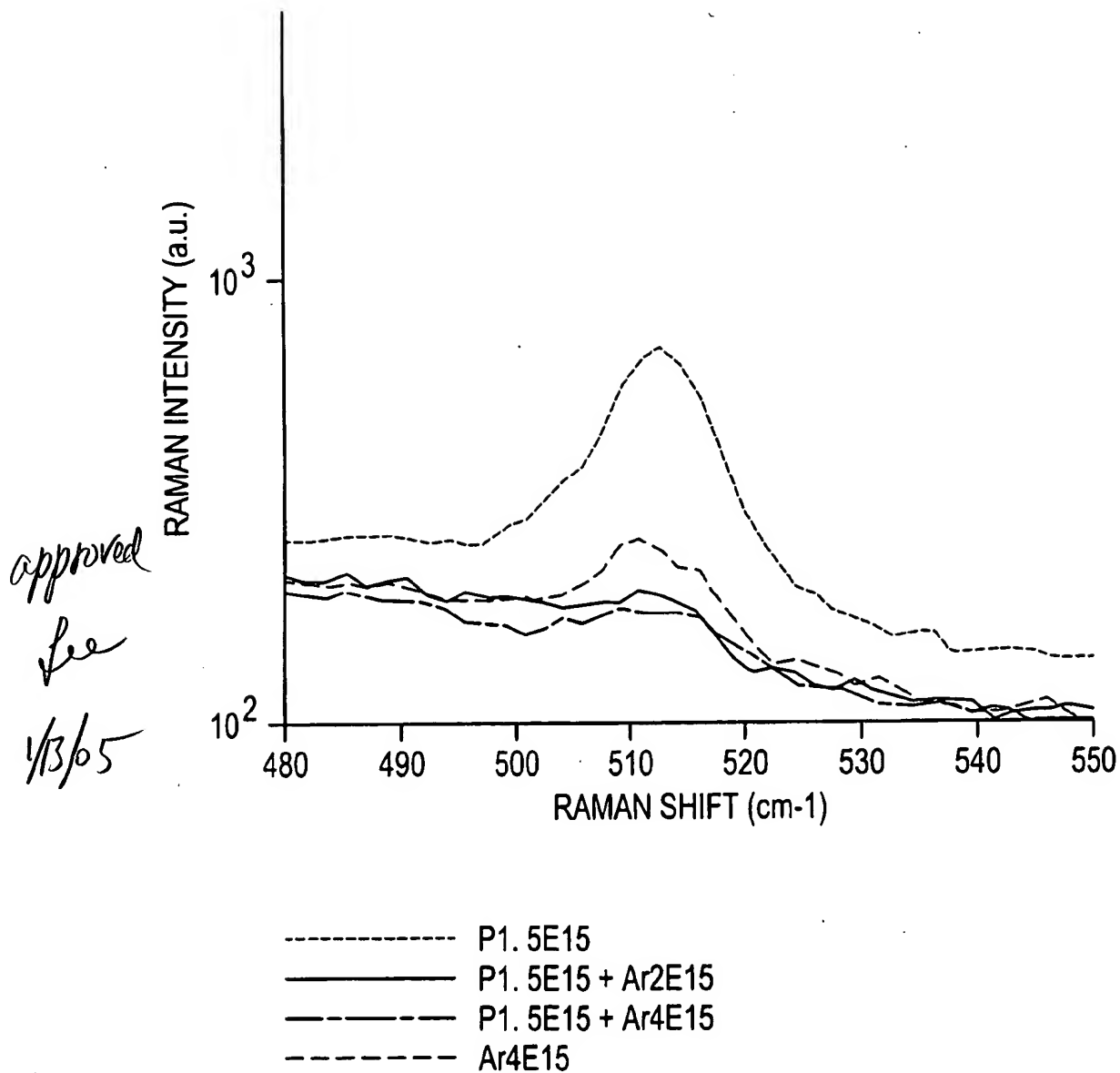


approved
lee
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FIG. 22

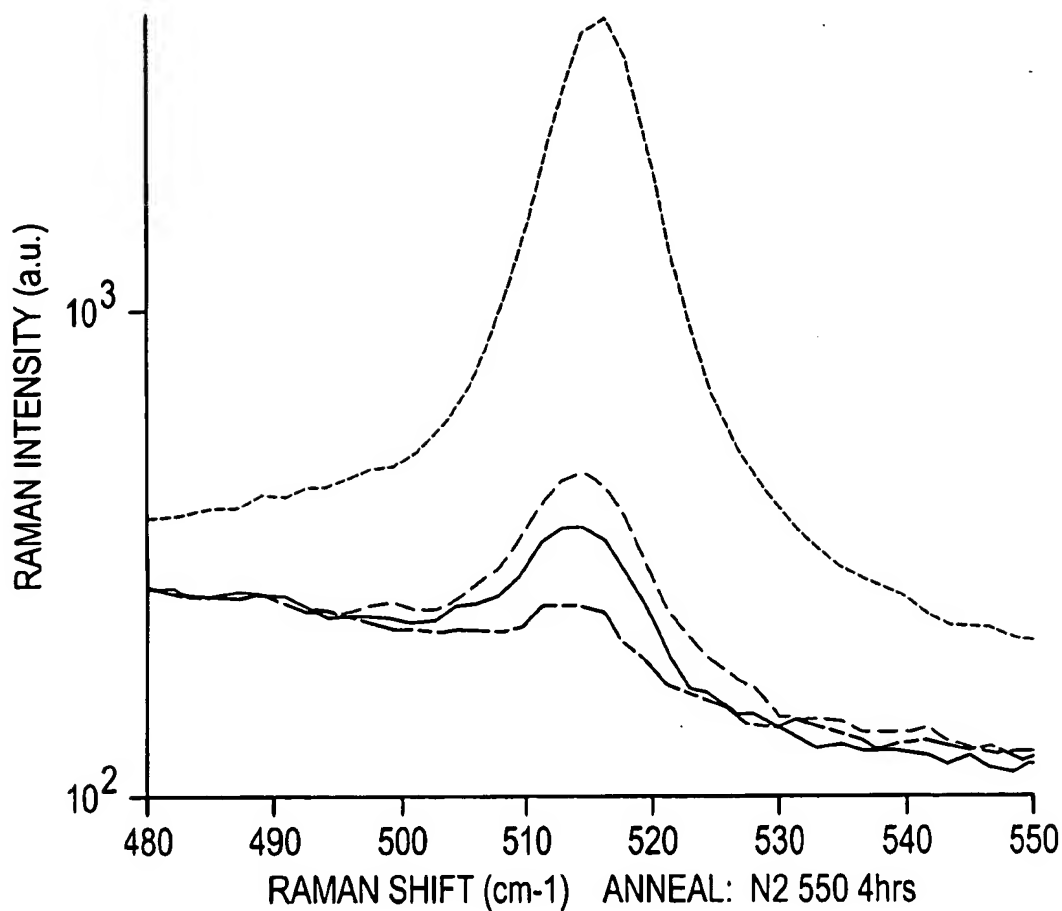




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FIG. 23

approved
for
1/13/05

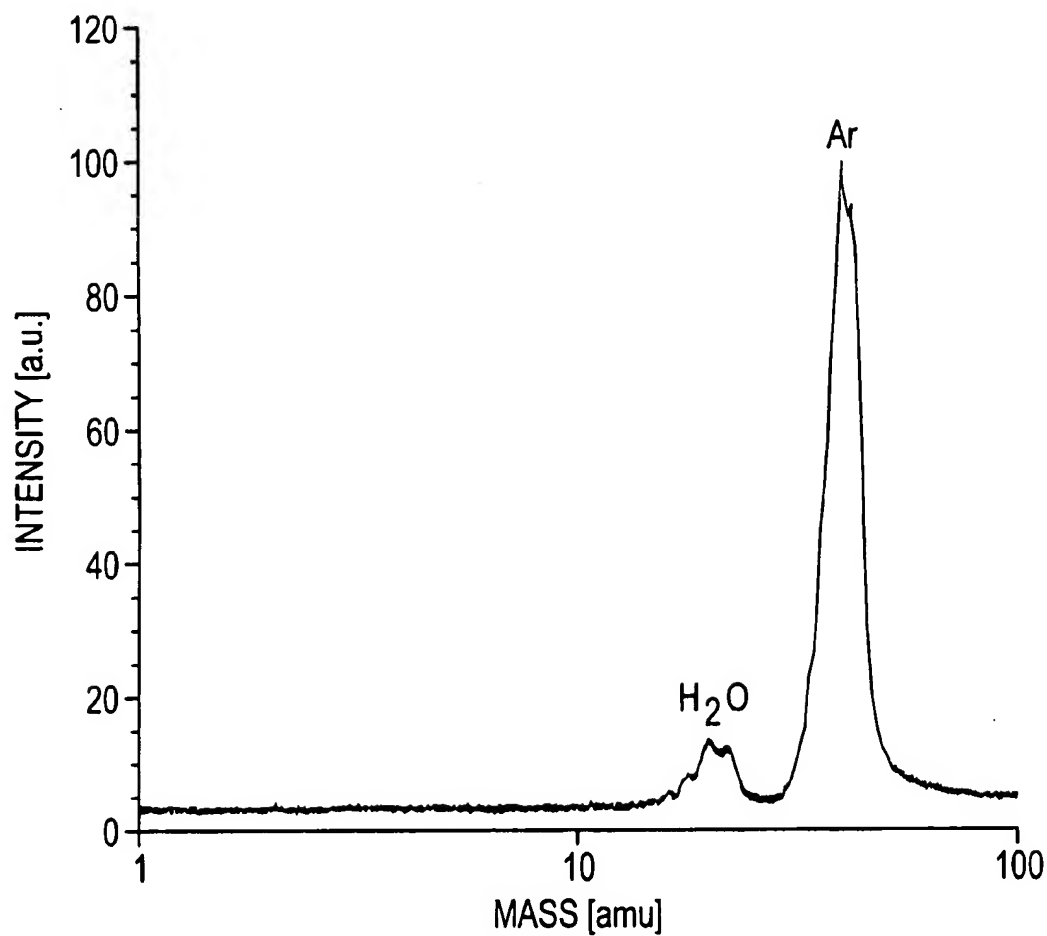


- P1. 5E15
- P1. 5E15 + Ar2E15
- P1. 5E15 + Ar4E15
- Ar4E15



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FIG. 24



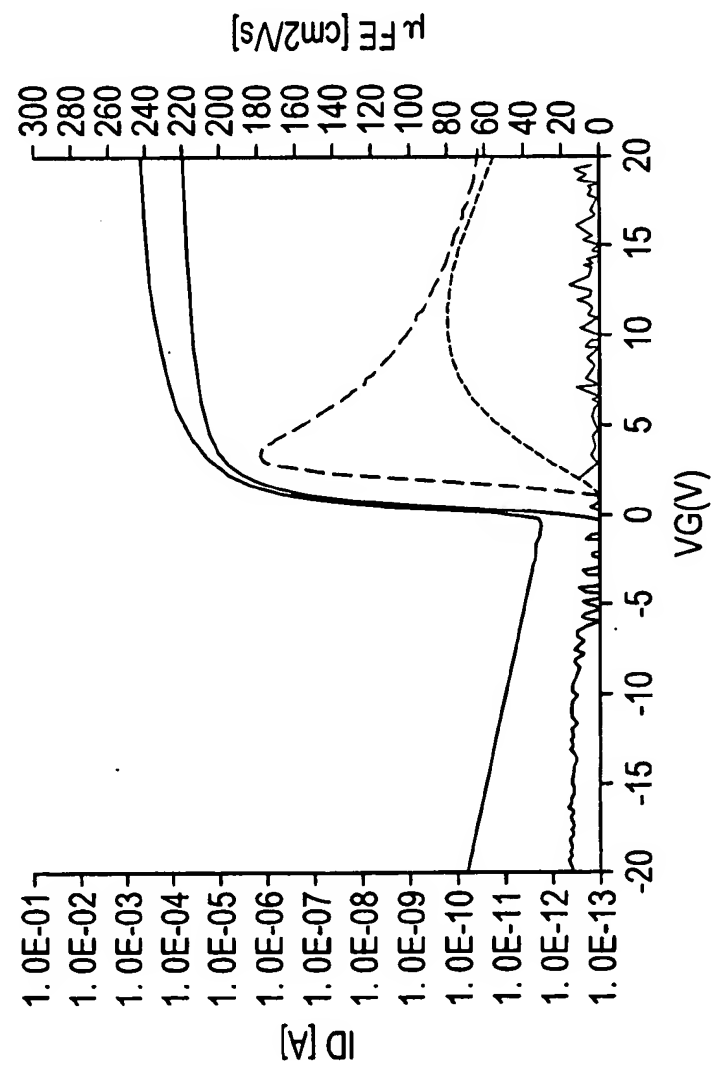
approved
See
1/13/05

— Ar50cc5uA80kV

1/13/05
 Lee
 approved

FIG. 25

AP005-17, Unit. S XA3 Y11 ([C], N-ch, LW=7/8, Tox=115)



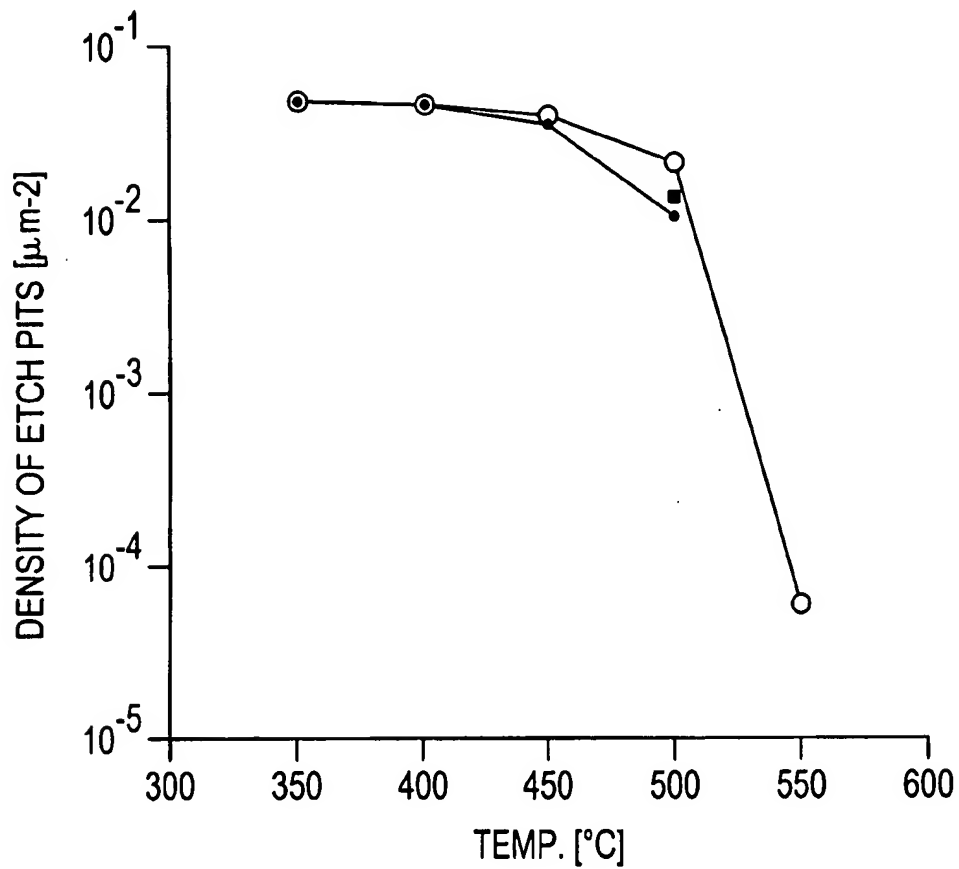
Lot No.:	AP005_CN	
FILE NAME	CHNSA311	
Comment	SemiAuto	
PARAMETER OF MEASUREMENT		
VD start		1
VD step		13
VD step number		2
PARAMETER OF CALCULATION		
CHANNEL TYPE		N
L [μ m]		7.0
W [μ m]		8.0
DIELECTRIC CONSTANT		4.1
THICKNESS OF OXIDE		115
RESULT OF CALCULATION		
Ion_2 [A]	2.34E-04	
Ioff_2 [A]	3.70E-12	
Shift_1[V]	0.231	
Vth [V]	1.222	
S-value [N/dec]	0.175	
μ FE (max) [cm ² /Vs]	179.9	





FIG. 26

Ar dope 80kV 5E15 (into GI900 A/poly-Si500 A/SiON + SiNO/#1737)



approved
Lee
1/3/05

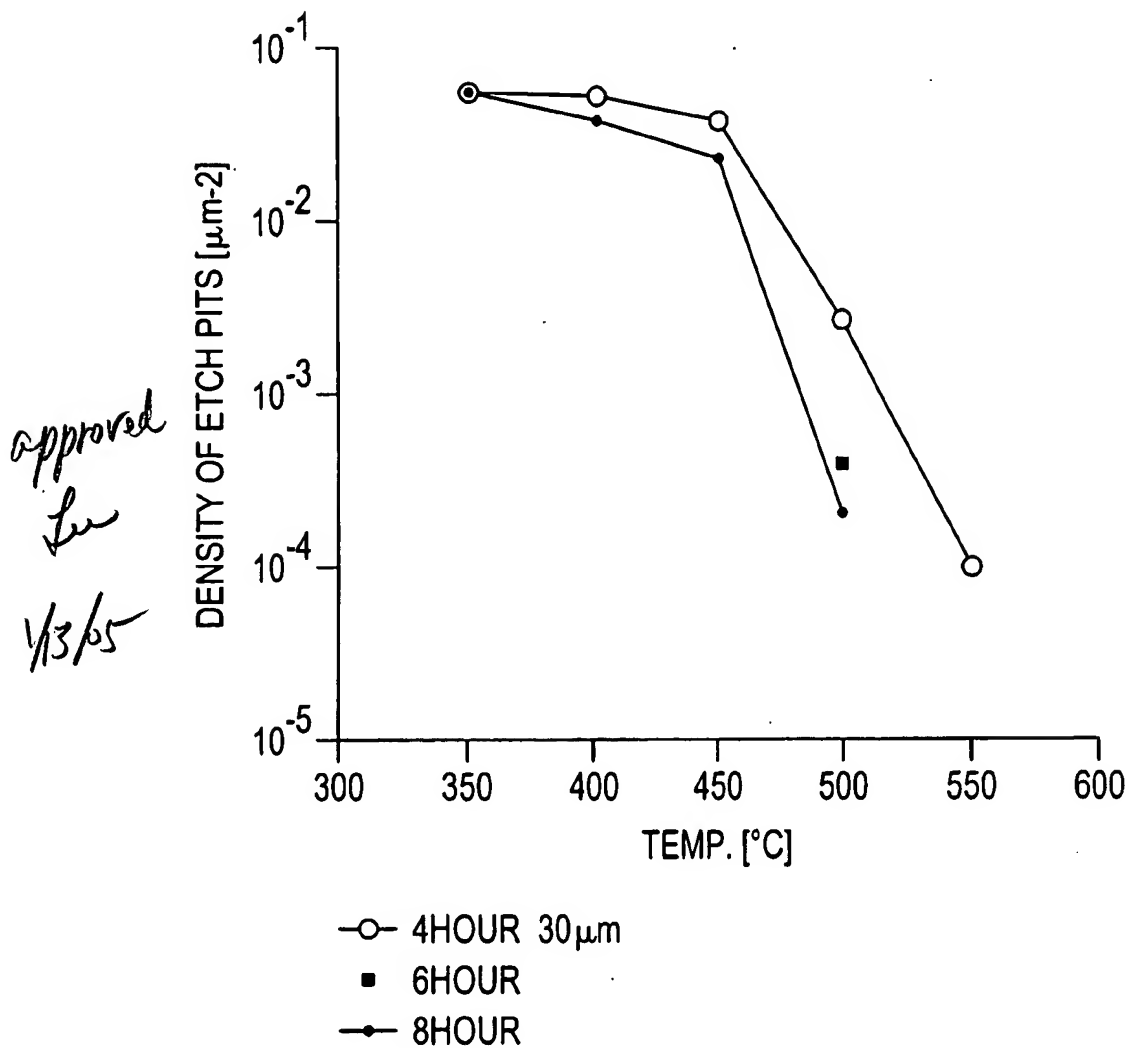
- 4HOUR 50 μm
- 6HOUR
- 8HOUR



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FIG. 27

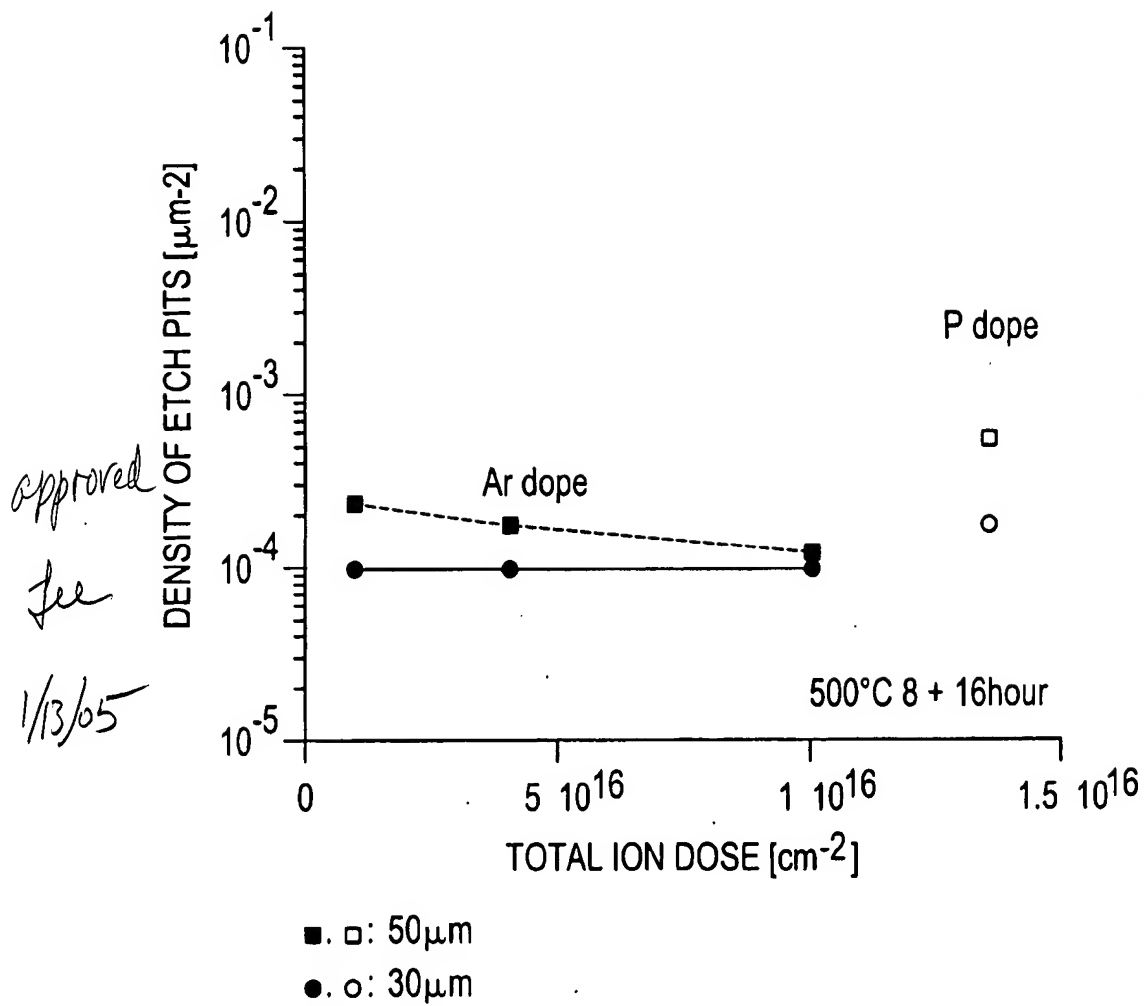
Ar dope 80kV 5E15 (into GI900 A/poly-Si500 A/SiON + SiNO/#1737)





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FIG. 28

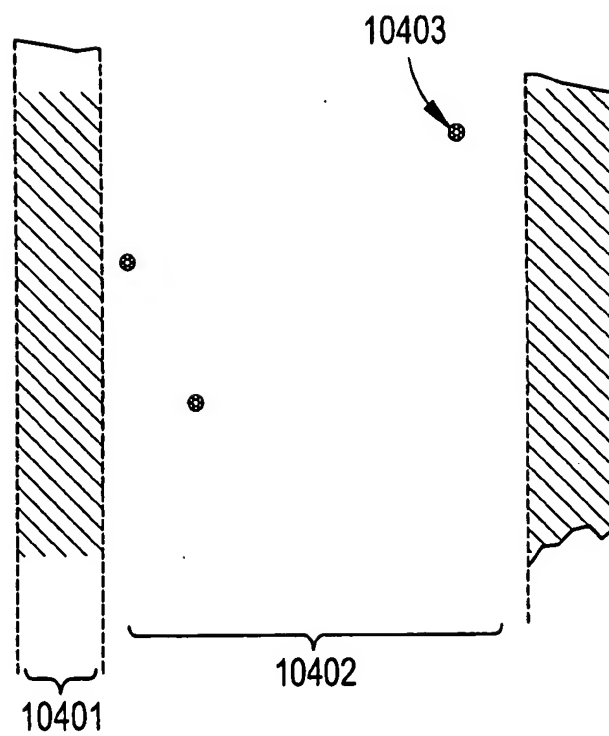




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FIG. 29

*approved
Lee
4/3/05*



approved
for
1/13/05

FIG. 30A

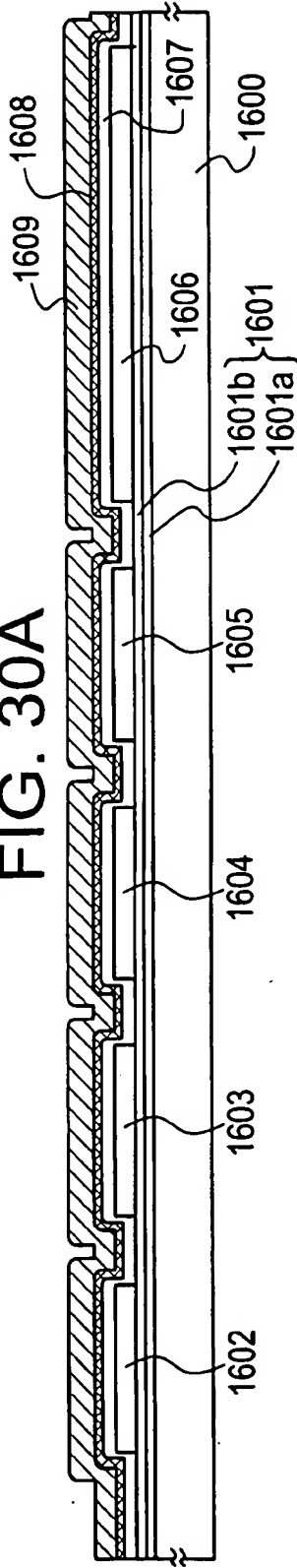


FIG. 30B

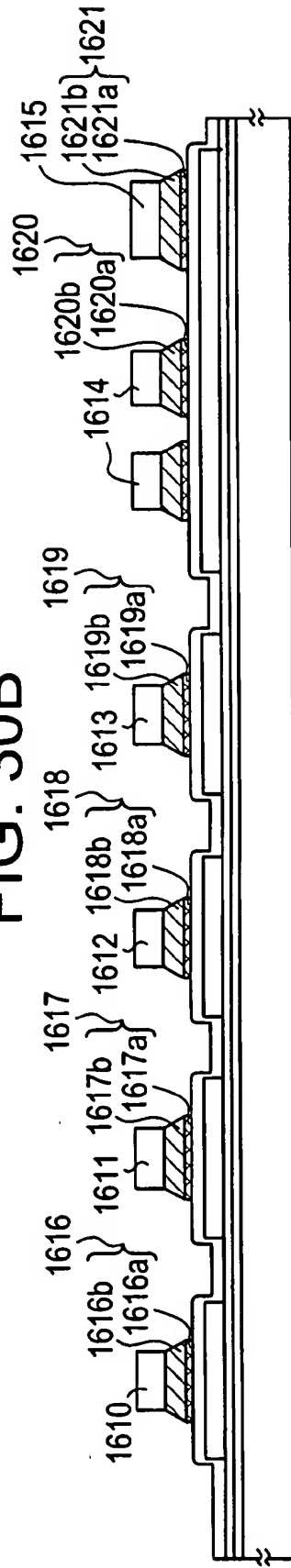
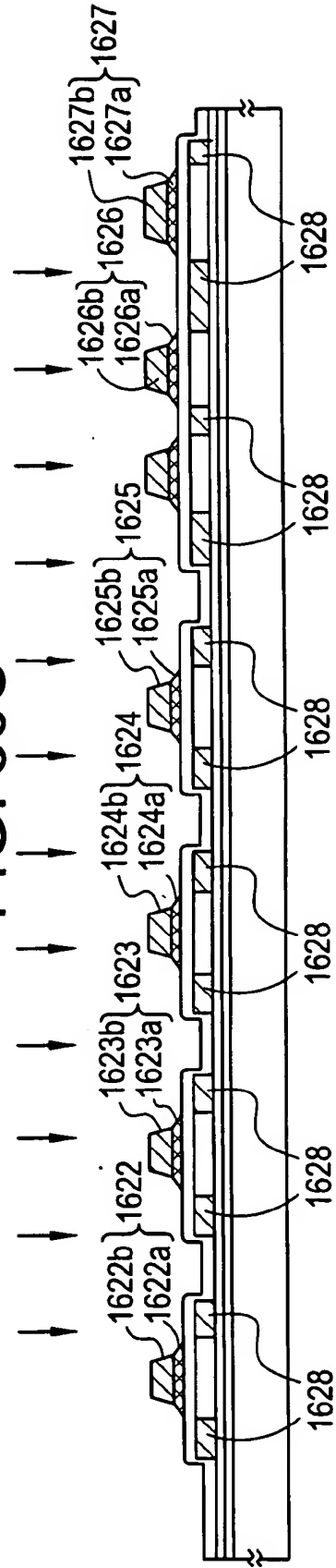


FIG. 30C





approved
lee
1/13/05

FIG. 31A

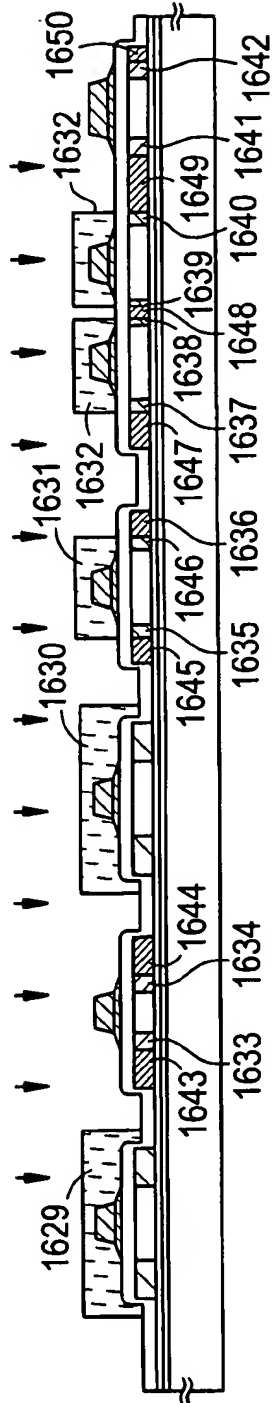


FIG. 31B

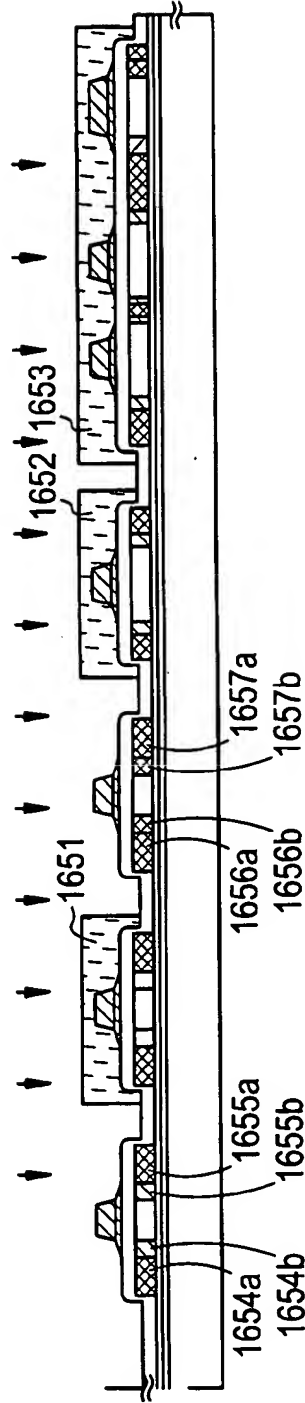
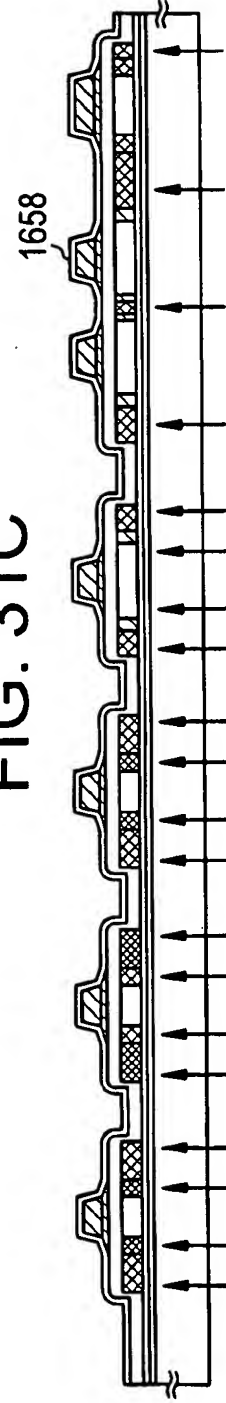


FIG. 31C





approved
See
1/13/05

FIG. 32

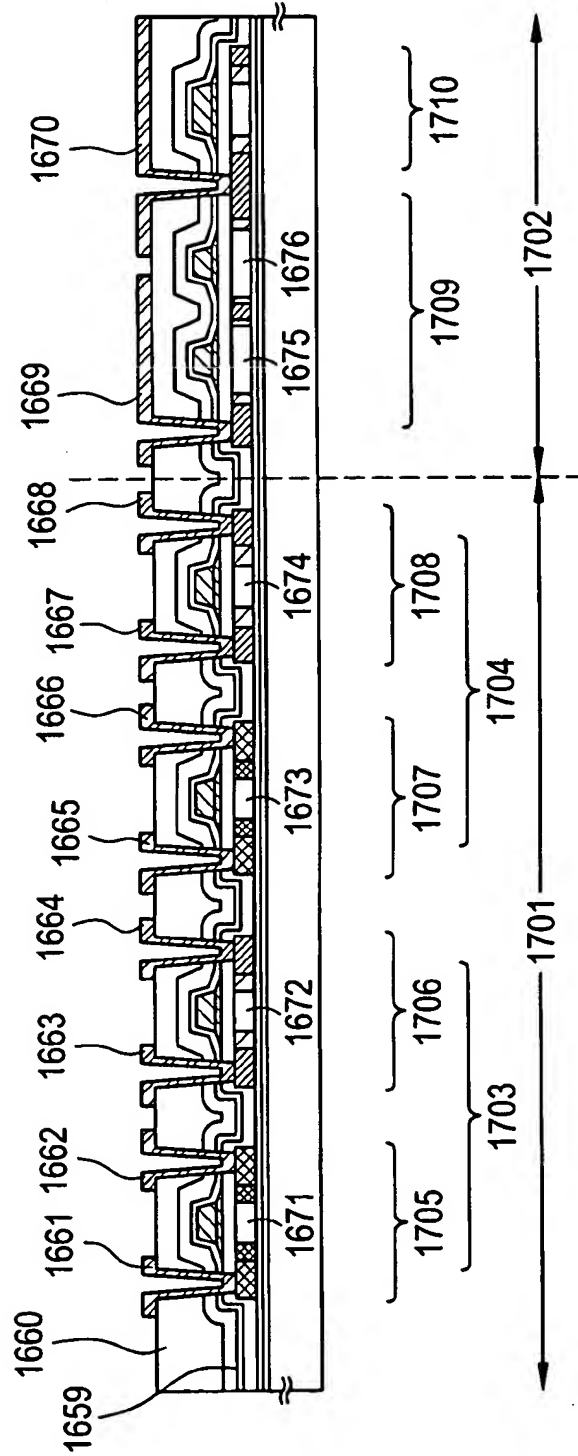


FIG. 33A

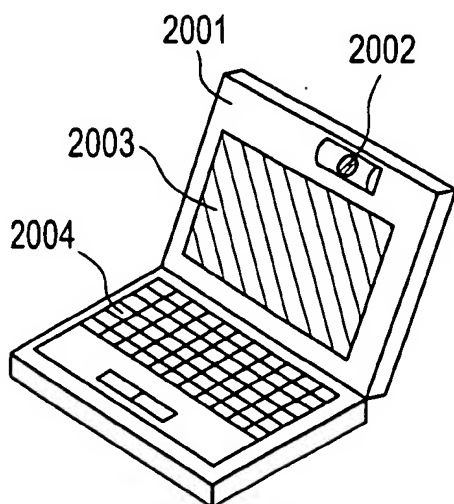


FIG. 33B

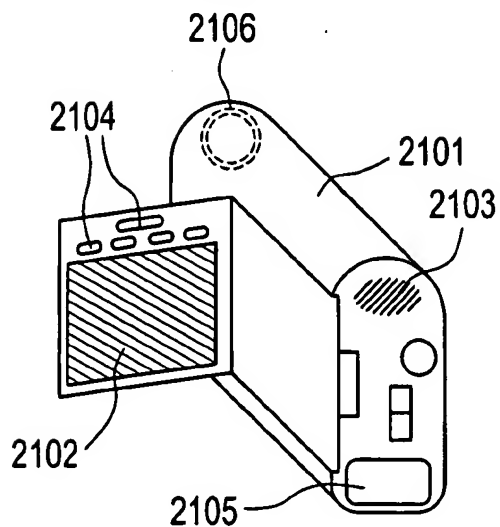


FIG. 33C

approved
 see
 1/13/05

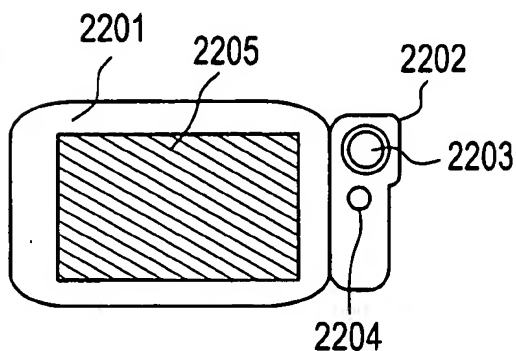


FIG. 33D

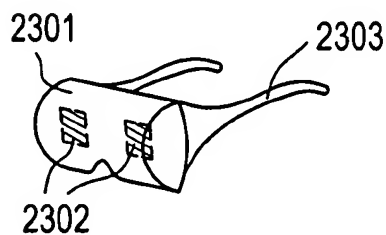


FIG. 33E

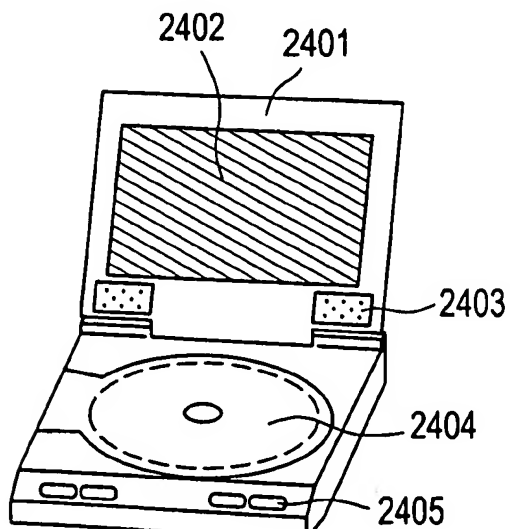


FIG. 33F

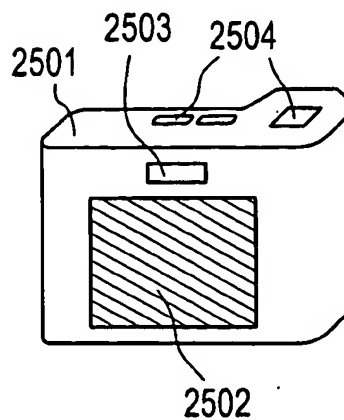




FIG. 34A

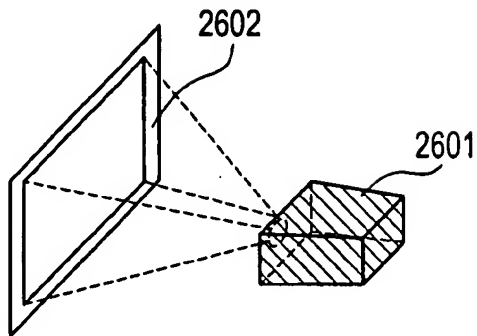


FIG. 34B

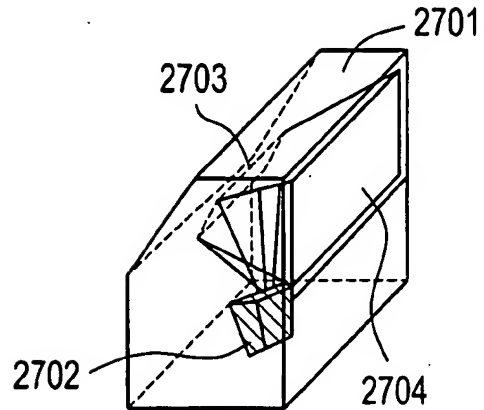
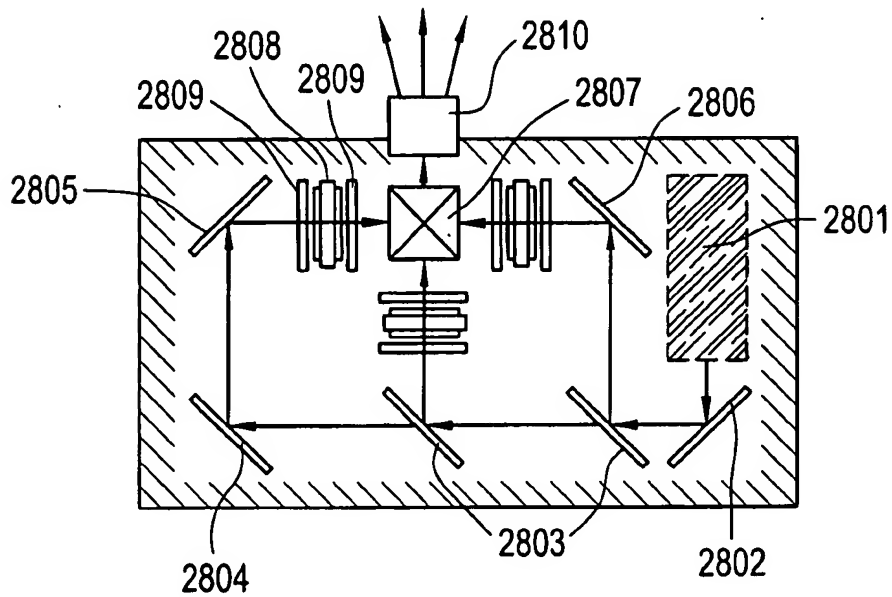
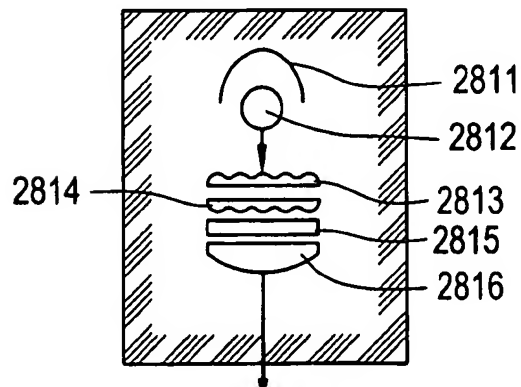


FIG. 34C



approved
See
1/13/05

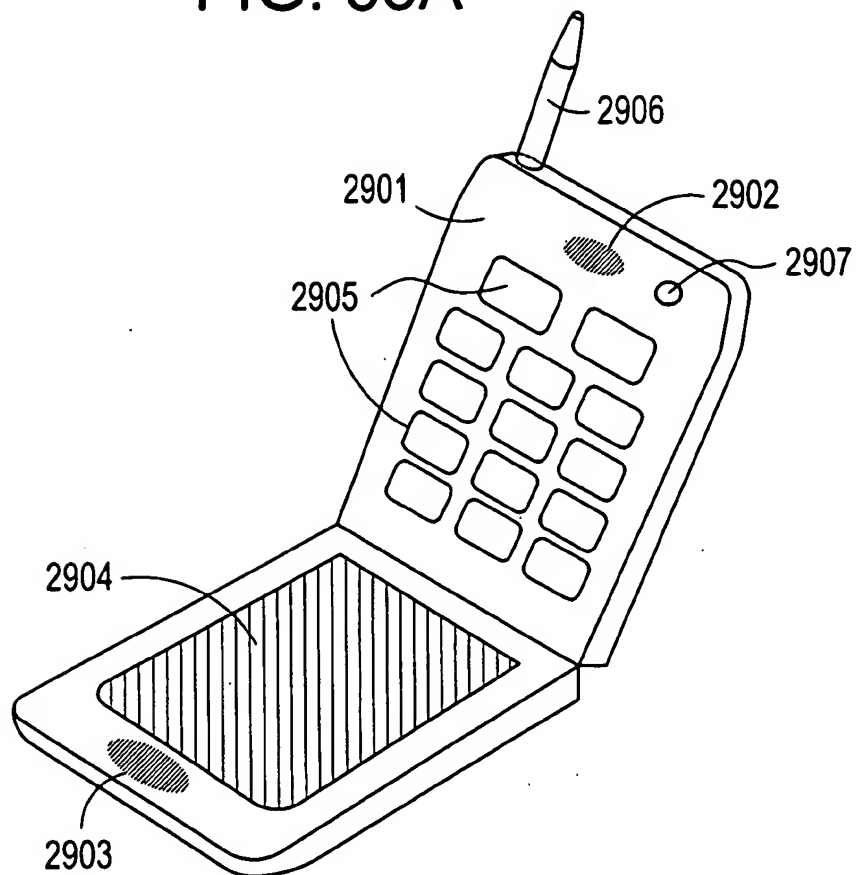
FIG. 34D





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FIG. 35A



approved
see
1/13/05

FIG. 35B

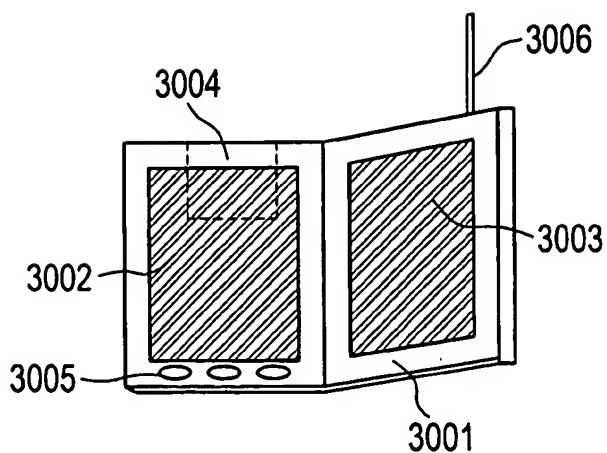


FIG. 35C

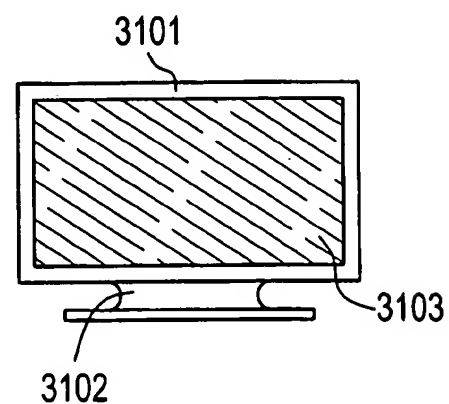





FIG. 36

	GETTERING CONDITION
MAGNIFICATION	550° C4hrs
X 200	

approved
Lee
1/13/05